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(54) POLYIMIDE FILM WITH METAL SALT COATING RESULTING IN IMPROVED ADHESION

(57)Abstract:

PURPOSE: To provide a polyimide film with an improved surface adhesion to metal foils by coating a polyimide base film with an organic solvent solution containing a specific metal salt, and making the film have a specific adhesion force.

CONSTITUTION: This polyimide film is obtained by coating the polyimide base film with the organic solvent solution containing 0.1-10 wt.% of a metal salt selected from the group consisting of Sn, Cu, Zn, Fe, Co, Mn and Pd. The polyimide film has at least 8 pli of the surface adhesion according to the IPC process 2.4.9. reversion C on the one-side or two-side of the film. As used polyimide base film, the derivatives of 4,4'-diaminodiphenylether and pyromellitic dianhydride are preferable. Co-polyimides derived from either of above diamine and acid dianhydride also may be used.

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